

UbiBot® industrial-grade GS1-AL4G1RS-S is a cloud-based environmental monitoring data logger. It supports WiFi and mobile GPRS/3G/4G 2 types of connection. A mobile GPRS/3G/4G network provides internet connection when WiFi is not available. With its embedded temperature, humidity and ambient light sensors, it detects environmental data all day round and automatically syncs all data to the UbiBot® IoT cloud platform, allowing you to access data and monitor the environment remotely from anywhere in the world via the free UbiBot APP or Web Console and to receive real-time alerts.



**GS1-AL4G1RS-S supports all 5V and 12V UbiBot RS485 probes**, but only one of each type can be connected at a time. When supporting 12V RS485 probes, DC12V adapter must be connected.

GS1-AL4G1RS-S is IP65 dustproof and water-resistant for outdoor use. We provide a UbiBot Global SIM Card for each device for free.

## FEATURES

- Built-in temperature, humidity, and ambient light sensors
- 2.4 GHz WiFi and mobile GPRS/3G/4G 2 types of connection, no need of hubs or gateways; a free UbiBot Global SIM Card is included
- Supporting **all 5V and 12V UbiBot RS485 probes**; only one of each type can be connected at a time
- Industrial-grade shell, strong and durable; IP65 water-resistant for outdoor use
- 4" high-quality LCD screen displaying current environmental conditions
- Free App & Web Console to access and monitor real-time data remotely, no subscription fee
- Unlimited UbiBot cloud storage for historical data; free historical data export
- Multiple ways of real-time alerts: App notifications, emails, phone calls, SMS, HTTP
- Working with IFTTT, Google Sheet, Alexa
- Easy setup with free UbiBot App or PC tools
- Memory with a capacity of 300,000 records stores all data even if the network is temporarily disconnected, which ensures there are no gaps in the data history
- Three types of power supply: internal lithium battery, Type-C 5V (USB cable provided), and DC 12V (not included)
- Compliance with CE, EN 12830, FCC, FDA CFR21, IC, RCM, RoHS, TELEC

## NOTE:

- For WiFi connection, GS1-AL4G1RS-S can **only work with a 2.4 GHz** WiFi network. 5 GHz WiFi is not supported.
- It supports **multiple 5V and 12V UbiBot RS485 external probes**, but only one of each type can be connected at a time. When supporting 12V RS485 probes, DC12V adapter must be connected.
- We provide a **free UbiBot Global SIM Card** for each UBIBOT GS1-AL4G1RS-S device.
- GS1-AL4G1RS-S is **IP 65 waterproof**, but not resistant to high humidity over 90%.

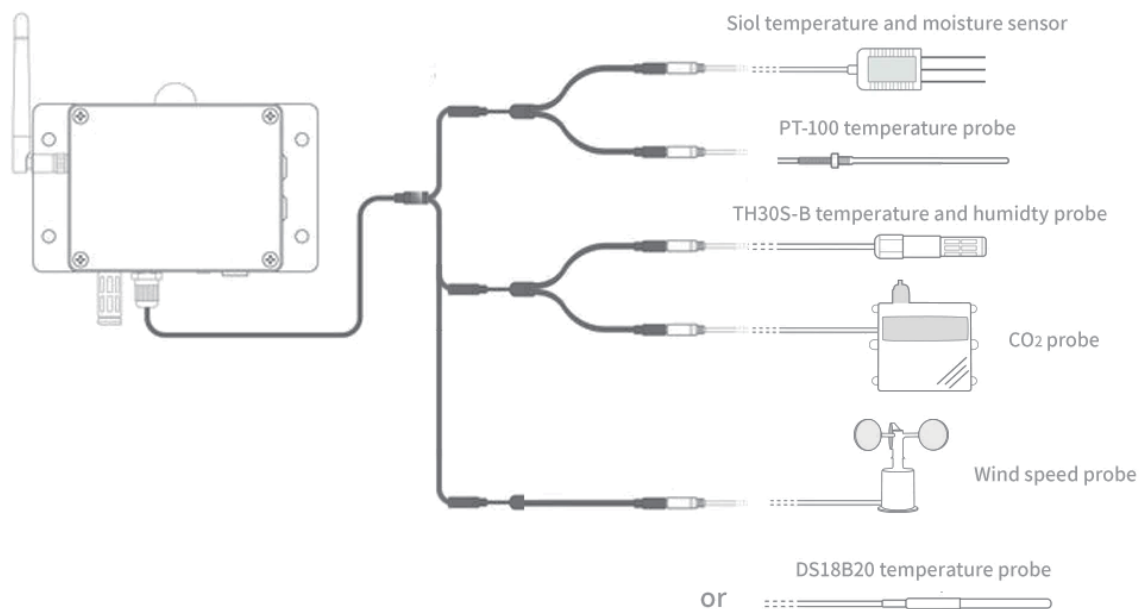
### EXTERNAL PROBES & ACCESSORIES

- With splitters, it supports multiple UbiBot 5V and 12V RS485 probes:

TH30S-B Temperature and Humidity Probe  
 Soil Temperature and Moisture Sensor  
 PT 100 Industrial-grade Temperature Probe  
 Wind Speed Sensor  
 CO2 Probe  
 Smoke Sensor  
 H2S Probe  
 NH3 Probe  
 Soil EC Probe  
 Soil PH Probe  
 Soil NPK probe  
 Wind Direction Sensor  
 Rainfall Probe  
 Solar Radiation Sensor  
 Atmosphere Pressure Sensor

### Accessories

- UbiBot Audio Plug Splitter for connecting external probes
- UbiBot Audio Splitter - 1 male to 6 females for connecting external probes
- External Probe Extender - Audio Plug
- Solar Cell Panel More details
- 12V Power Adapter



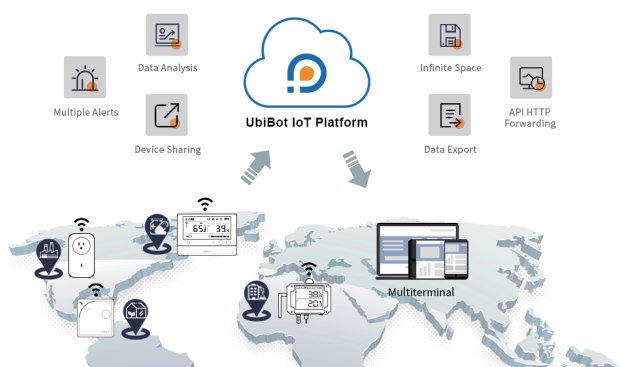
### NOTE:

- Only one of each type of probe can be connected at a time .
- When supporting 12V RS485 probes, DC12V adapter must be connected.
- When connecting with multiple probes, please consider the limits of the fields (totally up to 10 fields).

### SPECIFICATIONS

Technical specifications	
Temperature	-20°C to 60°C( -4°F to 140°F)
Humidity	10% to 90%, No condensation
Ambient light	0-83k lux
Accuracy	Temperature $\pm 0.3^{\circ}\text{C}$ , Humidity $\pm 3\%$ , Ambient light $\pm 2\%$
Memory	300,000 sensor records
Network connection	
WiFi	2.4GHz or 2.4/5GHz, channels 1-13 (5GHz WiFi NOT supported)
Mobile networks	LTE-FDD:B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/28/B66;LTE-TDD:B34/B38/B39/B40/B41;WCDMA:B1/B2/B4/B5/B6/B8/B19;GSM:850/900/1800/1900 MHz
Physical specifications	
Materials	Flame resistant ABS & PC
Dimensions	11.5 x 9 x 5.5 cm
Weight	450g $\pm$ 3 g
Colour	White
Screen	4" LCD with backlight
Ports	1 x Type-C; 1 x 3.5 mm Audio; 1 x 5V RS485 probe connector; 1 x 12V RS485 probe connector
Power Source	Internal Lithium batteries (2900 mAh); Type-C 5V (USB cable included); DC 12V (not included)
External probes	
External probes	Supporting all 5V and 12V UbiBot RS485 probes. When supporting 12V RS485 probes, DC12V adapter must be connected. When connecting with multiple probes, please consider the limits of the fields (totally 10 fields).

### UbiBot Cloud IoT Platform



**Data Management:** Manage all your IoT data in one place; you could add as many devices as you want to one UbiBot account.

**Unlimited Storage:** Unlimited cloud-based storage ensures you will never run out of space. This allows you to view all your historical data via UbiBot App or Web.

**Free App & Web Console:** Using **UbiBot App** and **Web Console** is free. Powerful and thoughtful features provide you brilliant experience.

**Analysis and Visualization:** Use powerful analysis and visualization tools to get the most out of your data; spot trends and direct comparisons.

**Real-Time Alerts:** Fully customizable alert system will notify you via **App notifications, emails, phone call/SMS, HTTP** whenever any metric goes out of the range preset.

**Highly Secure Platform:** UbiBot IoT platform is designed to keep all your data secure so you never have to worry about hackers or other security issues.

**Third-Party Services:** Working with **IFTTT, Alexa, Google Assistant, Google Sheet**

**Compliant with FDA CFR21**